

**Flood Control Project Maintenance
Levee Inspections**

Fall 2011 Levee Maintenance Deficiency Summary Report

Overall LMA & Unit Ratings, including USACE Erosion Survey

Sacramento River Basin

NA0016	Overall LMA Rating	Total LMA Miles				
Sacramento River West Side Levee District	A	50.21				
Rated Item	M Miles	U Miles	M + 4U Miles	Threshold %	Encroachments	
					PO Miles	CO Miles
<i>Earthen Levee</i>						
Vegetation	0.21		0.21	0.42%		
Trim / Thin Trees	0.02		0.02	0.04%		
Encroachments	0.06		0.06	0.12%	3.10	0.01
Animal Control	0.04		0.04	0.08%		
<i>Supplemental</i>						
USACE Erosion Survey	1.60		1.60	3.19%		
<i>LMA Totals:</i>	1.93	0.00	1.93	3.84%	3.10	0.01

**Flood Control Project Maintenance
Levee Inspections**
LMA District Cover Sheet
Fall 2011 Levee Inspection Results

Sacramento River West Side Levee District

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			A	

** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

*
SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments

**Flood Control Project Maintenance
Levee Inspections**

Unit Cover Sheet

Fall 2011 Levee Inspection Results

Sacramento River West Side Levee District

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Right	50.21
	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			A	
Date of Inspection	5/19/2011 - 5/20/2011		10/11/2011 - 10/12/2011	
DWR Inspector	John Williamson		John Williamson	
Accompanied By	Chad Navarrot RD 108		Chad Navarrot RD 108	
	Alfonso Figueroa RD 108		Alfonso Figueroa RD 108	

Check one:

- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. We have found no changes in flood project conditions other than the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the enclosed report.
- ☐ During the current winter (or summer) inspection period, my staff or I have inspected the levee and associated flood project components identified in the attached Levee Inspection Report by Mile. In addition to the results of our normal maintenance and the corrections we have made to maintenance deficiencies identified in the report, we have found the following changes in flood project conditions.

(In the comment section below or on additional sheet(s), identify change of condition by: Start to End Levee Mile or GPS coordinates, location (Land Side, Water Side, or Crown), Item identification, and description of the current condition).

Comments

One of the boxes above is to be checked by the Local Maintaining Agency (LMA). If the second box is checked, additional information must also be submitted. This Unit Cover Sheet should be signed and dated by the LMA Representative and returned to DWR with any additional sheets by September 30 (Summer Inspection) or March 31 (Winter Inspection). Please retain a copy for your records. Please mail all of this information to :

DWR Summer/Winter Inspection Reports
3310 El Camino Avenue, Suite 200
Sacramento, CA 95821-9000

X

Signature of LMA Representative

Date

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Right	50.21	10/11/2011 10/12/2011	John Williamson	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
1	0.98	0.98	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes.	38.812727 ° -121.724496 °	38.812727 ° -121.724496 °	6 Y
2	1.76	1.76	Earthen Levee	Encroachments	WS	M	Firewood	38.823801 ° -121.724637 °	38.823801 ° -121.724637 °	1425 Y
3	2.41	2.41	Earthen Levee	Encroachments	LS	C	Debris Inspector Comments: The equipment has been moved away from the levee toe.	38.832155 ° -121.729245 °	38.832155 ° -121.729245 °	1426
4	2.83	2.83	Earthen Levee	Encroachments	LS	PO	Landscaping	38.837405 ° -121.731717 °	38.837405 ° -121.731717 °	4 Y
5	3.02	3.02	Earthen Levee	Encroachments	LS	C	Equipment Inspector Comments: The equipment has been removed from the toe atleast 15 feet.	38.840057 ° -121.731012 °	38.840057 ° -121.731012 °	5
6	3.59	3.97	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch Inspector Comments: concrete lined	38.846767 ° -121.729943 °	38.850758 ° -121.725263 °	8
7	4.44	4.44	Earthen Levee	Slope Stability	LS	A	Inspector Comments: Corrected area from PI inspection 4.35 LM	38.854334 ° -121.729862 °	38.854334 ° -121.729862 °	1427 Y
8	4.61	4.61	Earthen Levee	Encroachments	LS	M	Debris	38.856724 ° -121.730809 °	38.856724 ° -121.730809 °	1428 Y
9	4.85	4.85	Earthen Levee	Encroachments	LS	PO	Fences Inspector Comments: chain link fence runs along levee	38.859419 ° -121.732708 °	38.859419 ° -121.732708 °	9
10	9.29	9.29	Earthen Levee	Animal Control	LS	C	Exterminate rodents and backfill and compact or grout burrows.	38.860750 ° -121.784717 °	38.860750 ° -121.784717 °	964
11	10.03	11.51	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Toe damage and loss of cobble revetment and small patch of local damage to the cobble revetment. 2000 - Cohesive vertical toe; revegetation site. 2011: No observed change. [2011 Site ID: SAC_101-3_R]	38.875109 ° -121.813592 °	38.874854 ° -121.813018 °	1 Y
12	11.83	11.83	Earthen Levee	Encroachments	WS	PO	Crops Inspector Comments: new walnut orchard between toe and river app. 80-90 trees	38.876807 ° -121.816028 °	38.876807 ° -121.816028 °	966
13	12.35	12.35	Earthen Levee	Encroachments	CR	PO	Buildings	38.883807 ° -121.817543 °	38.883807 ° -121.817543 °	14
14	12.35	12.35	Earthen Levee	Encroachments	WS	C	Debris Inspector Comments: Concrete rubble dumped on waterside rebar is in the concrete along shoulder.	38.883805 ° -121.817595 °	38.883805 ° -121.817595 °	52
15	18.41	18.66	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch Inspector Comments: concrete lined	38.946742 ° -121.837557 °	38.950180 ° -121.837760 °	15

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
U : Unacceptable W : Watch/Monitor

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River						Right	50.21	10/11/2011 10/12/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
16	18.75	18.75	Earthen Levee	Encroachments	CR	PO	Buildings	38.951400 ° -121.838255 °	38.951400 ° -121.838255 °	16
17	18.84	18.84	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2009 - Minor erosion, should be repaired under maintenance. 2011: Some new minor erosion at the toe. [2011 Site ID: SAC_111-0_R]	38.954060 ° -121.840560 °	38.954312 ° -121.840774 °	2 Y
18	18.89	18.89	Earthen Levee	Encroachments	LS	PO	Landscaping	38.952925 ° -121.840010 °	38.952925 ° -121.840010 °	18 Y
19	18.98	18.98	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: cactus at landside levee toe	38.953975 ° -121.840833 °	38.953975 ° -121.840833 °	20
20	19.04	19.09	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch Inspector Comments: concrete lined	38.954756 ° -121.841432 °	38.955499 ° -121.841271 °	22
21	19.22	19.22	Earthen Levee	Encroachments	CR	PO	Buildings	38.956330 ° -121.839277 °	38.956330 ° -121.839277 °	23
22	19.35	19.35	Earthen Levee	Encroachments	LS	M	Equipment	38.957232 ° -121.837258 °	38.957232 ° -121.837258 °	26 Y
23	19.36	20.13	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.957332 ° -121.837043 °	38.966719 ° -121.835880 °	31 Y
24	20.96	22.34	Earthen Levee	Encroachments	LS	PO	Agricultural Ditch	38.974042 ° -121.825713 °	38.989532 ° -121.816695 °	32
25	23.00	23.00	Earthen Levee	Trim / Thin Trees	LS	M	Trim trees to at least five feet above ground level.	38.989785 ° -121.804702 °	38.989785 ° -121.804702 °	28 Y
26	23.05	23.05	Earthen Levee	Encroachments	LS	C	Debris Inspector Comments: concrete pipe rings	38.989902 ° -121.803855 °	38.989902 ° -121.803855 °	38
27	23.05	23.05	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.989907 ° -121.803855 °	38.989907 ° -121.803855 °	35
28	23.14	23.14	Earthen Levee	Trim / Thin Trees	LS	C	Trim and thin trees to allow visibility of the ground and room to flood fight.	38.990035 ° -121.802152 °	38.990035 ° -121.802152 °	30
29	23.14	23.14	Earthen Levee	Vegetation	LS	C	Remove the wild growth other than native grasses from the levee slopes.	38.990040 ° -121.802152 °	38.990040 ° -121.802152 °	29
30	23.69	23.69	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2008 - Slippage of cobbles off hard underlying toe material. 2011: Minor slumping site. [2011 Site ID: SAC_115-9_R]	38.997696 ° -121.797584 °	38.997824 ° -121.797891 °	3 Y
31	25.13	25.13	Earthen Levee	Encroachments	LS	PO	Landscaping	39.005240 ° -121.818123 °	39.005240 ° -121.818123 °	34

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No.
	Start	End						Start	End	
32	25.91	25.91	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2008 - Whole bank is eroding, nearly vertical slope with cohesive toe. Bed is very deep along the toe (greater than 30 ft deep at 20 ft from the shore) 2011: Some new minor erosion. [2011 Site ID: SAC_118-0_R]	39.014499 ° -121.825880 °	39.016401 ° -121.824230 °	7 Y
33	27.83	27.83	Earthen Levee	Animal Control	WS	C	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.034430 ° -121.833473 °	39.034430 ° -121.833473 °	57
34	27.85	27.85	Earthen Levee	Animal Control	LS	M	Exterminate rodents and backfill and compact or grout burrows.	39.034620 ° -121.833378 °	39.034620 ° -121.833378 °	37
35	28.37	28.37	Earthen Levee	Encroachments	WS	M	Debris Inspector Comments: piles of concrete	39.040793 ° -121.835445 °	39.040793 ° -121.835445 °	59 Y
36	29.98	29.98	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Mass failure of the lower cohesive bank and toe. 2000 - Still eroding, steeply dipping foresets in the toe are falling off. 2010 - Some new erosion and some new deposition. Eddy current off the upstream rock. 2011: Still plenty of berm left. [2011 Site ID: SAC_122-0_R]	39.063209 ° -121.838927 °	39.063997 ° -121.839335 °	10 Y
37	30.21	30.21	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2002 - Upstream end has recent slope failure and exposure of tree roots. 2003 - Some new minor slope erosion with new snags on the bank. 2004 - Appears a little worse. 2005 - Scallop in bank at the upstream end looks worse. 2009 - Minimal new erosion, Berm width is still large, but one large event or one fallen tree and it could go fast. 2010 - New erosion, bank is nearly all vertical from slumping. Site looks bad. 2011: site starting to look bad. [2011 Site ID: SAC_122-3_R]	39.065886 ° -121.842950 °	39.066287 ° -121.843602 °	11 Y
38	31.76	31.78	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Erosion into the levee section; old concrete rubble loss at toe; transition between the rock upstream and the cobble downstream. 2000 - Cohesive bench with concrete slabs on top; 25 ft deep scour hole on the downstream end. 2011: No observed change. [2011 Site ID: SAC_123-7_R]	39.066901 ° -121.867322 °	39.067004 ° -121.866913 °	12 Y
39	32.01	32.01	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Old concrete pumphouse on shoulder open needs to be sealed up.	39.066147 ° -121.870425 °	39.066147 ° -121.870425 °	60 Y
40	32.42	32.42	Earthen Levee	Vegetation	WS	W	Elderberries are blocking visibility and flood fight capability.	39.069130 ° -121.876638 °	39.069130 ° -121.876638 °	41
41	32.43	32.56	Earthen Levee	Encroachments	WS	PO	Buildings Inspector Comments: Grimes Boat Landing	39.069487 ° -121.876817 °	39.070063 ° -121.879062 °	42

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway				Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River				Right	50.21	10/11/2011 10/12/2011	John Williamson

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
42	33.37	33.37	Earthen Levee	Encroachments	LS	PO	Buildings Inspector Comments: This is the town of Grimes.	39.074331 ° -121.891989 °	39.074331 ° -121.891989 °	43
43	33.58	33.58	Earthen Levee	Vegetation	WS	W	Remove the wild growth other than native grasses from the levee slopes.	39.076762 ° -121.894200 °	39.076762 ° -121.894200 °	44
44	33.64	33.64	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2008 - Slow erosion of the hard toe. 2010 - Cobble rubble is failing, erosion is into the toe of the levee, with vertical slumping. 2011: No observed change. [2011 Site ID: SAC_125-6_R]	39.078340 ° -121.894656 °	39.079351 ° -121.895317 °	13 Y
45	35.47	35.47	Earthen Levee	Trim / Thin Trees	WS	M	Thin trees to allow visibility of the ground and room to flood fight.	39.096777 ° -121.902873 °	39.096777 ° -121.902873 °	1429 Y
46	35.62	35.62	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 1997 - Major scour off the downstream end of existing rock, creating a scour pocket where the levee starts diverging from the bankline. 2000 - Some minor erosion, 20 ft deep hole at downstream end. 2004 - Small amount of new erosion. 2010 - Bad transition off downstream end of rock revetment, some new erosion. 2011: No observed change. [2011 Site ID: SAC_127-9_R]	39.100084 ° -121.903981 °	39.100836 ° -121.904320 °	17 Y
47	42.85	43.02	Earthen Levee	Vegetation	LS	M	Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Johnson grass is progressing and is getting densier.	39.164373 ° -121.936867 °	39.166666 ° -121.937674 °	1430 Y
48	43.35	43.35	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2010 - Lower portion of 136.7 that did not extend far enough. Abrupt transition from upstream site. 2011: No observed change. [2011 Site ID: SAC_136-6_R]	39.173245 ° -121.939419 °	39.174555 ° -121.940427 °	19 Y
49	43.68	43.68	Earthen Levee	Encroachments	WS	PO	Fences	39.175597 ° -121.942010 °	39.175597 ° -121.942010 °	51
50	43.76	43.76	Earthen Levee	Encroachments	LS	PO	Buildings	39.176429 ° -121.942889 °	39.176429 ° -121.942889 °	46
51	43.77	43.77	Earthen Levee	Encroachments	WS	PO	Fences	39.176597 ° -121.943107 °	39.176597 ° -121.943107 °	69
52	44.28	44.28	Earthen Levee	Animal Control	WS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.182723 ° -121.946107 °	39.182723 ° -121.946107 °	1431 Y
53	44.87	44.87	Earthen Levee	Encroachments	WS	M	Prunings	39.189325 ° -121.940190 °	39.189325 ° -121.940190 °	45
54	45.48	45.48	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.196380 ° -121.946318 °	39.196380 ° -121.946318 °	1432

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway						Bank	Unit Miles	Inspection Start/End	Inspector	
Unit No. 01 Sacramento River						Right	50.21	10/11/2011 10/12/2011	John Williamson	

LMR No.	Levee Mile		Category	Item	Location *	Rating **	Action/Comment	GPS Latitude/Longitude		Issue No. Photo
	Start	End						Start	End	
55	46.56	46.56	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	39.187432 ° -121.962193 °	39.187432 ° -121.962193 °	1433 Y
56	47.57	47.57	Earthen Levee	Encroachments	LS	CO	Landscaping Inspector Comments: cactus on slope and toe of levee, landscape continues along roadway with fence and stairs	39.188577 ° -121.979388 °	39.188577 ° -121.979388 °	54
57	48.11	48.11	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2010 - Old cobble site starting to unravel at toe. 2011: Cobbles continue to unravel. [2011 Site ID: SAC_141-5_R]	39.193931 ° -121.987905 °	39.195595 ° -121.988621 °	21 Y
58	48.82	48.82	Earthen Levee	Encroachments	LS	M	Debris	39.202209 ° -121.986307 °	39.202209 ° -121.986307 °	1434 Y
59	49.84	49.84	Earthen Levee	Animal Control	LS	M	No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	39.212785 ° -121.994178 °	39.212785 ° -121.994178 °	1435
60	49.96	49.96	Earthen Levee	Vegetation	WS	M	Remove the wild growth other than native grasses from the levee slopes.	39.213212 ° -121.996354 °	39.213212 ° -121.996354 °	1436 Y
61	50.03	50.03	Supplemental	USACE Erosion Survey	WS	M	Inspector Comments: 2011: multiple scallops, one tree pop out. old cobble site starting to unravel [2011 Site ID: SAC_143-5_R]	39.213608 ° -121.997543 °	39.213869 ° -121.999641 °	24 Y
62	50.11	50.11	Earthen Levee	Encroachments	LS	PO	Landscaping Inspector Comments: Agave plants at toe of levee	39.213613 ° -121.998997 °	39.213613 ° -121.998997 °	58

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	1
Start Levee Mile	0.98
End Levee Mile	0.98
Location	Land Side
Category	Earthen Levee
Item	Vegetation

The photo shows vegetation at the toe of the levee. The willows have been cut.

johngw_f_20110923_719.jpg



Levee Mile Report Line	2
Start Levee Mile	1.76
End Levee Mile	1.76
Location	Water Side
Category	Earthen Levee
Item	Encroachments

A tree has fallen down o the levee slope needs to be removed. Fall 2011

johngw_f_20111024_401.jpg



Levee Mile Report Line	4
Start Levee Mile	2.83
End Levee Mile	2.83
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Landscape at River Garden Farms with irrigation.

johngw_f_20110923_717.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

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Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	7
Start Levee Mile	4.44
End Levee Mile	4.44
Location	Land Side
Category	Earthen Levee
Item	Slope Stability

The area from the PI inspection has been corrected Fall 2011.

johngw_f_20111024_403.jpg



Levee Mile Report Line	8
Start Levee Mile	4.61
End Levee Mile	4.61
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Concrete debris is piled along the toe of the levee. The district is removing it. Fall 2011.

johngw_f_20111024_404.jpg



Levee Mile Report Line	11
Start Levee Mile	10.03
End Levee Mile	11.51
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_101-3_R_1.jpg



*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	11
Start Levee Mile	10.03
End Levee Mile	11.51
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_101-3_R_2.jpg



Levee Mile Report Line	17
Start Levee Mile	18.84
End Levee Mile	18.84
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_111-0_R_1.jpg



Levee Mile Report Line	17
Start Levee Mile	18.84
End Levee Mile	18.84
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_111-0_R_2.jpg

*** Location**

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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	18
Start Levee Mile	18.89
End Levee Mile	18.89
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Groundcover and trees with irrigation are planted on the levee slope. Fall 2011.

johngw_f_20111024_405.jpg



Levee Mile Report Line	22
Start Levee Mile	19.35
End Levee Mile	19.35
Location	Land Side
Category	Earthen Levee
Item	Encroachments

There is equipment on the levee crown and shoulder in the trees. Fall 2011.

johngw_f_20111024_406.jpg



Levee Mile Report Line	23
Start Levee Mile	19.36
End Levee Mile	20.13
Location	Land Side
Category	Earthen Levee
Item	Encroachments

The concrete lined agricultural ditch runs along the toe. Fall 2011.

johngw_f_20111024_407.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	25
Start Levee Mile	23.00
End Levee Mile	23.00
Location	Land Side
Category	Earthen Levee
Item	Trim / Thin Trees

The trees need to be trimmed up for visibilty. Fall 2011

johngw_f_20111024_408.jpg



Levee Mile Report Line	30
Start Levee Mile	23.69
End Levee Mile	23.69
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_115-9_R_1.jpg



Levee Mile Report Line	30
Start Levee Mile	23.69
End Levee Mile	23.69
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_115-9_R_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	32
Start Levee Mile	25.91
End Levee Mile	25.91
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_118-0_R_1.jpg



Levee Mile Report Line	32
Start Levee Mile	25.91
End Levee Mile	25.91
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_118-0_R_2.jpg



Levee Mile Report Line	32
Start Levee Mile	25.91
End Levee Mile	25.91
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_SAC_118-0_R_3.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

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CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	35
Start Levee Mile	28.37
End Levee Mile	28.37
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Concrete debris is on the waterside levee slope.
Fall 2011.

johngw_f_20111024_409.jpg



Levee Mile Report Line	36
Start Levee Mile	29.98
End Levee Mile	29.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_122-0_R_1.jpg



Levee Mile Report Line	36
Start Levee Mile	29.98
End Levee Mile	29.98
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_122-0_R_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

PO : Partially Obstructing
CO : Completely Obstructing
W : Watch/Monitor

N : Not Inspected, see Inspector Comment C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	37
Start Levee Mile	30.21
End Levee Mile	30.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_122-3_R_1.jpg



Levee Mile Report Line	37
Start Levee Mile	30.21
End Levee Mile	30.21
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_122-3_R_2.jpg



Levee Mile Report Line	38
Start Levee Mile	31.76
End Levee Mile	31.78
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_123-7_R_1.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	38
Start Levee Mile	31.76
End Levee Mile	31.78
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_123-7_R_2.jpg



Levee Mile Report Line	39
Start Levee Mile	32.01
End Levee Mile	32.01
Location	Water Side
Category	Earthen Levee
Item	Encroachments

Old concrete pump house on the waterside levee slope. Fall 2011.

john_gw_f_20111024_410.jpg



Levee Mile Report Line	44
Start Levee Mile	33.64
End Levee Mile	33.64
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_125-6_R_1.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	44
Start Levee Mile	33.64
End Levee Mile	33.64
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_125-6_R_2.jpg



Levee Mile Report Line	44
Start Levee Mile	33.64
End Levee Mile	33.64
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_SAC_125-6_R_3.jpg



Levee Mile Report Line	45
Start Levee Mile	35.47
End Levee Mile	35.47
Location	Water Side
Category	Earthen Levee
Item	Trim / Thin Trees

The tree has fallen down on the levee slope. Fall 2011.

johngw_f_20111024_411.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	46
Start Levee Mile	35.62
End Levee Mile	35.62
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_127-9_R_1.jpg



Levee Mile Report Line	46
Start Levee Mile	35.62
End Levee Mile	35.62
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_127-9_R_2.jpg



Levee Mile Report Line	47
Start Levee Mile	42.85
End Levee Mile	43.02
Location	Land Side
Category	Earthen Levee
Item	Vegetation

Johnson grass is taller than 12 inches. Fall 2011.

johngw_f_20111024_412.jpg



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

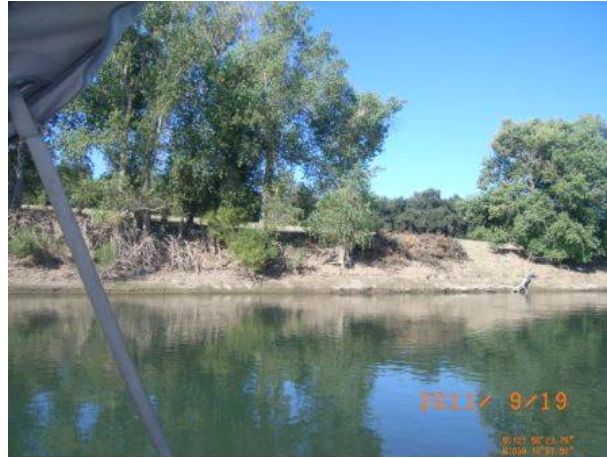
Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	48
Start Levee Mile	43.35
End Levee Mile	43.35
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

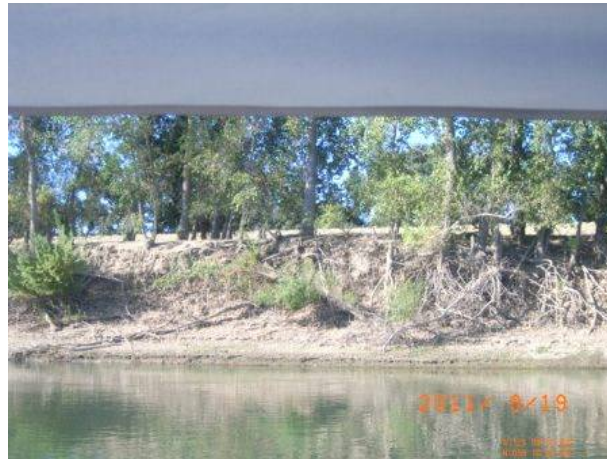
USACE2011_SAC_136-6_R_1.jpg



Levee Mile Report Line	48
Start Levee Mile	43.35
End Levee Mile	43.35
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_136-6_R_2.jpg



Levee Mile Report Line	48
Start Levee Mile	43.35
End Levee Mile	43.35
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #3

USACE2011_SAC_136-6_R_3.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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PO : Partially Obstructing
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	52
Start Levee Mile	44.28
End Levee Mile	44.28
Location	Water Side
Category	Earthen Levee
Item	Animal Control
Rodent mounds on the waterside several in the area. Fall 2011.	
johngw_f_20111024_413.jpg	



Levee Mile Report Line	55
Start Levee Mile	46.56
End Levee Mile	46.56
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The Johnson grass is taller then 12 inches. Fall 2011.	
johngw_f_20111024_414.jpg	



Levee Mile Report Line	55
Start Levee Mile	46.56
End Levee Mile	46.56
Location	Water Side
Category	Earthen Levee
Item	Vegetation
The Johnson grass is taller then 12 inches. Fall 2011.	
johngw_f_20111024_415.jpg	



* Location LS : Land Side WS : Water Side CR : Crown	** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	PO : Partially Obstructing CO : Completely Obstructing W : Watch/Monitor	N : Not Inspected, see Inspector Comment C : Corrected
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	57
Start Levee Mile	48.11
End Levee Mile	48.11
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_141-5_R_1.jpg



Levee Mile Report Line	57
Start Levee Mile	48.11
End Levee Mile	48.11
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_141-5_R_2.jpg



Levee Mile Report Line	58
Start Levee Mile	48.82
End Levee Mile	48.82
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Old irrigation pipe is piled up on the toe of the levee. Fall 2011.

john_gw_f_20111024_416.jpg

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

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W : Watch/Monitor

N : Not Inspected, see Inspector Comment

C : Corrected

**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	60
Start Levee Mile	49.96
End Levee Mile	49.96
Location	Water Side
Category	Earthen Levee
Item	Vegetation

The vegetation is taller than 12 inches and above the 20 foot line. Fall 2011.

johngw_f_20111024_417.jpg



Levee Mile Report Line	61
Start Levee Mile	50.03
End Levee Mile	50.03
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #1

USACE2011_SAC_143-5_R_1.jpg



Levee Mile Report Line	61
Start Levee Mile	50.03
End Levee Mile	50.03
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey

USACE 2011 Photo #2

USACE2011_SAC_143-5_R_2.jpg



*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable
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**Flood Control Project Maintenance
Levee Inspections**

Levee Inspection Report By Mile - Fall 2011

Sacramento River West Side Levee District

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Right	50.21	10/11/2011 10/12/2011	John Williamson

Levee Mile Report Line	61
Start Levee Mile	50.03
End Levee Mile	50.03
Location	Water Side
Category	Supplemental
Item	USACE Erosion Survey
USACE 2011 Photo #3	
USACE2011_SAC_143-5_R_3.jpg	

*** Location**

LS : Land Side
WS : Water Side
CR : Crown

**** Rating**

A : Acceptable PO : Partially Obstructing N : Not Inspected, see Inspector Comment C : Corrected
M : Minimally Acceptable CO : Completely Obstructing
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